

In the claims:

1 - 2. (Canceled)

3. (Currently amended) A print medium having increased resistance to gasfade, comprising:

~~an a melt-coated inhibitor comprising including~~ an odorless sulfur-containing polymer ~~incorporated into~~ melted at above 285°C and coated onto the print medium, wherein the inhibitor has a molecular weight greater than approximately 1000, wherein the inhibitor comprises poly(1,4-phenylene sulfide) or poly(1,3-phenylene sulfide) and wherein the print medium comprises a plain paper, a porous print medium, or a swellable print medium.

4. (Currently amended) A print medium having increased resistance to gasfade, comprising:

~~an a melt-coated inhibitor comprising including~~ a poly(phenylene sulfide) ~~incorporated into~~ melted at above 285°C and coated onto the print medium, wherein the inhibitor has a molecular weight greater than approximately 1000, wherein the inhibitor is present in a concentration from approximately 0.25% by weight per cm² of the print medium to approximately 30% by weight per cm² of the print medium.

5. (Canceled)

6. (Previously Presented) The print medium of claim 4, wherein the inhibitor forms a film on at least a surface of the print medium.

7. (Canceled)

8. (Withdrawn) A method of forming a print medium having increased resistance to gasfade, comprising:

providing a print medium; and incorporating an inhibitor comprising a sulfur-containing polymer into the print medium.

9. (Withdrawn) The method of claim 8, wherein providing a print medium comprises providing a plain paper, a porous print medium, or a swellable print medium.

10. (Withdrawn) The method of claim 8, wherein incorporating an inhibitor comprising a sulfur-containing polymer into the print medium comprises heating the inhibitor to a temperature above its melting point and applying the melted inhibitor to a surface of the print medium.

11. (Withdrawn) The method of claim 8, wherein incorporating an inhibitor comprising a sulfur-containing polymer into the print medium comprises incorporating poly(1,4-phenylene sulfide) or poly(1,3-phenylene sulfide) into the print medium.

12. (Withdrawn) The method of claim 8, wherein incorporating an inhibitor comprising a sulfur-containing polymer into the print medium comprises incorporating an inhibitor into the print medium in a concentration from approximately 0.25% by weight per cm² of the print medium.

13. (Withdrawn) The method of claim 8, wherein incorporating an inhibitor comprising a sulfur-containing polymer into the print medium comprises incorporating an inhibitor having a molecular weight greater than approximately 1000 into the print medium.

14. (Withdrawn) The method of claim 8, wherein incorporating an inhibitor comprising a sulfur-containing polymer into the print medium comprises incorporating an inhibitor having a melting point ranging from approximately 125°C to approximately 400°C and a glass transition temperature ranging from approximately 75°C to approximately 250°C.

15. (Withdrawn) The method of claim 8, wherein incorporating an inhibitor comprising a sulfur-containing polymer into the print medium comprises incorporating an inhibitor into at least a surface of the print medium.

16. (Withdrawn) A method of producing a printed image having increased resistance to gasfade, comprising:

depositing inkjet ink onto a print medium; and

incorporating an inhibitor comprising a sulfur-containing polymer into the print medium.

17. (Withdrawn) The method of claim 16, wherein depositing inkjet ink onto a print medium comprises depositing a dye-based or a pigment-based inkjet ink onto the print medium.

18. (Withdrawn) The method of claim 16, wherein depositing inkjet ink onto a print medium comprises undercoating the inkjet ink or overcoating the inkjet ink.

19. (Withdrawn) The method of claim 16, wherein incorporating an inhibitor comprising a sulfur-containing polymer into the print medium comprises incorporating poly(1,4-phenylene sulfide) or poly(1,3-phenylene sulfide) into the print medium.

20. (Withdrawn) The method of claim 16, wherein incorporating an inhibitor comprising a sulfur-containing polymer into the print medium comprises incorporating poly(1,4-phenylene sulfide) or poly(1,3-phenylene sulfide) into the print medium.

21. (Currently Amended) A print medium having increased resistance to gasfade, comprising:

~~an a melt-coated~~ inhibitor ~~comprising including~~ odorless poly(phenylene sulfide) ~~incorporated into~~ melted at above 285°C and coated onto the print medium,

wherein the inhibitor has a melting point ranging from approximately 125°C to approximately 400°C and a glass transition temperature ranging from approximately 75°C to approximately 250°C, wherein the print medium comprises a plain paper, a porous print medium, or a swellable print medium.

22. (Previously Presented) The print medium of claim 21, wherein the inhibitor comprises poly(1,4-phenylene sulfide) or poly(1,3-phenylene sulfide).

23. (Previously Presented) The print medium of claim 21, wherein the inhibitor is present in a concentration from approximately 0.25% by weight per cm^2 of the print medium to approximately 30% by weight per cm^2 of the print medium.

24. (Previously Presented) The print medium of claim 21, wherein the inhibitor has a molecular weight greater than approximately 1000.

25. (Previously Presented) The print medium of claim 21, wherein the inhibitor forms a film on at least a surface of the print medium.

26. (Previously Presented) The print medium of claim 21, wherein the print medium comprises a plain paper, a porous print medium, or a swellable print medium.

27. (Canceled)

28. (Currently Amended) A print medium having increased resistance to gasfade, comprising:

an a melt-coated inhibitor comprising including an odorless sulfur-containing polymer incorporated into melted at above 285°C and coated onto the print medium,

wherein the inhibitor is present in a concentration from approximately 0.25% by weight per cm^2 of the print medium to approximately 30% by weight per cm^2 of the print medium; wherein the inhibitor comprises poly(1,4- phenylene sulfide) or poly(1,3-phenylene sulfide) and wherein the print medium comprises a plain paper, a porous print medium, or a swellable print medium.

29. (Previously Presented) The print medium of claim 28, wherein the inhibitor has a melting point ranging from approximately 125°C to approximately 400°C and a glass transition temperature ranging from approximately 75°C to approximately 250°C.

30. (Previously Presented) The print medium of claim 28, wherein the inhibitor has a molecular weight greater than approximately 1000.

31. (Previously Presented) The print medium of claim 28, wherein the inhibitor forms a film on at least a surface of the print medium.

32. (Previously Presented) The print medium of claim 28, wherein the print medium comprises a plain paper, a porous print medium, or a swellable print medium.

33. (Currently Amended) A print medium having increased resistance to gasfading, comprising:

~~an a melt-coated inhibitor comprising including poly(1,4-phenylene sulfide) or poly(1,3-phenylene sulfide) melted at above 285°C and coated onto incorporated into~~ the print medium.